

**DECLARATION AND  
POWER OF ATTORNEY  
FOR UTILITY OR DESIGN  
PATENT APPLICATION**  
(37 CFR 1.63)

☐ Declaration  
Submitted  
with Initial  
Filing

OR

☒ Declaration  
Submitted after Initial  
Filing (surcharge  
(37 CFR 1.16 (e))  
required)

Attorney

21125Y

30 JAN 2006

First Named Inventor

Carolyn A. Buser-Doepner et al.

**COMPLETE IF KNOWN**

Application Number

Filing Date

Group Art Unit

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MITOTIC KINESIN BINDING SITE

(Title of the Invention)

the specification of which

☒ bears the Attorney Docket Number and Title of the Invention noted above

OR

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent or inventor's certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Number	Priority Claimed?	
				YES	NO
PCT/US03/21145	PCT	07/03/2003	21125Y	<input checked="" type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Attorney Docket Number
60/394,313	07/08/2002	21125PV

# DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known to me to be material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Application Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint, respectively and individually, as my attorney(s) or agent(s) with full power of substitution and revocation, the following registered practitioner(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

☐ Practitioners Associated with the Customer Number **000210**

OR

☒ Registered practitioner(s) named below

Name	Registration Number	Name	Registration Number
Alysia A. Finnegan	48,878	Joanne M. Giesser	32,838
Vineet Kohli	37,003	John David Reilly	43,039
Joan E. Switzer	34,740		

Direct all correspondence to: ☒ Customer Number **000210**

Name	Vineet Kohli				
Address	Merck & Co., Inc. - Patent Department				
Address	P.O. Box 2000, RY60-30				
City	Rahway	State	NJ	ZIP	07065-0907
Country	USA	Telephone	(732)594-3889	Fax	(732)594-4720

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])	Family Name or Surname
Carolyn A.	Buser-Doepner

Inventor's Signature	<i>Carolyn A Buser-Doepner</i>	Date	18 - Feb - 05
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Residence: City	Harleysville	State	PA	Country	US	Citizenship	US
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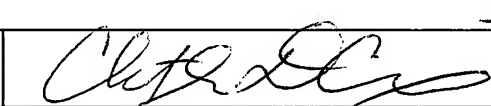
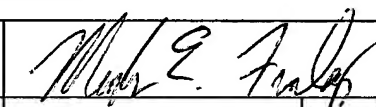
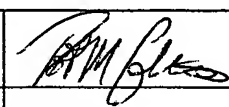
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4				
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City	West Point	State	PA	ZIP	19486	Country	U.S.A.
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☒ Additional inventors are being named on the 3 supplemental Additional Inventors(s) sheet(s) PTO/SB/02A attached hereto.

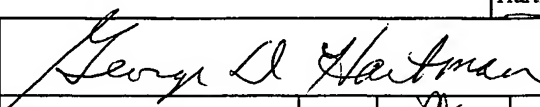

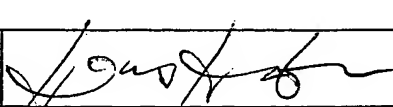
## DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S)  
Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor													
Given Name (first and middle [if any])				Family Name or Surname											
2 <u>Paul J.</u>				<u>Coleman</u>											
Inventor's Signature					Date		12 FEB 2005								
Residence: City		<u>Wallingford</u>		State		PA <u>PA</u>		Country		US		Citizenship		US	
Mailing Address		Merck Research Laboratories, Sumneytown Pike, P.O. Box 4													
City		<u>West Point</u>		State		PA		ZIP		19486		Country		U.S.A.	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor													
Given Name (first and middle [if any])				Family Name or Surname											
3 <u>Christopher D.</u>				<u>Cox</u>											
Inventor's Signature					Date		18-Feb-2005								
Residence: City		<u>Harleysville</u>		State		PA <u>PA</u>		Country		US		Citizenship		US	
Mailing Address		Merck Research Laboratories, Sumneytown Pike, P.O. Box 4													
City		<u>West Point</u>		State		PA		ZIP		19486		Country		U.S.A.	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor													
Given Name (first and middle [if any])				Family Name or Surname											
4 <u>Mark E.</u>				<u>Fraleigh</u>											
Inventor's Signature					Date		Feb 18, 2005								
Residence: City		<u>North Wales</u>		State		PA <u>PA</u>		Country		US		Citizenship		US	
Mailing Address		Merck Research Laboratories, Sumneytown Pike, P.O. Box 4													
City		<u>West Point</u>		State		PA		ZIP		19486		Country		U.S.A.	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor													
Given Name (first and middle [if any])				Family Name or Surname											
5 <u>Robert M.</u>				<u>Garbaccio</u>											
Inventor's Signature					Date		2-18-05								
Residence: City		<u>Lansdale</u>		State		PA <u>PA</u>		Country		US		Citizenship		US	
Mailing Address		Merck Research Laboratories, Sumneytown Pike, P.O. Box 4													
City		<u>West Point</u>		State		PA		ZIP		19486		Country		U.S.A.	

## DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S)  
Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
George D.				Hartman			
Inventor's Signature				Date	Feb 18, 2005		
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
David C.				Heimbrook			
Inventor's Signature				Date			
Residence: City	Warren	State	NJ	Country	US	Citizenship	US
Mailing Address	7 Orchard Way						
City	Warren	State	NJ	ZIP	07059	Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Lawrence C.				Kuo			
Inventor's Signature				Date	February 18, 2005		
Residence: City	Gwynedd Valley	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Hans E.				Huber			
Inventor's Signature				Date	18-Feb-05		
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.

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ADDITIONAL INVENTOR(S)  
Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Vinod V.				Sardana			
Inventor's Signature	Vinod Sardana				Date	15 <sup>th</sup> Feb. 2005	
Residence: City	Lansdale	State	PA PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Maricel				Torrent MT 2/18/2005			
Inventor's Signature	Maricel Torrent				Date	2/18/2005	
Residence: City	Lansdale	State	PA PA	Country	US	Citizenship	ES
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Youwei				Yan			
Inventor's Signature	youwei yan				Date	18-Feb-2005	
Residence: City	Lansdale	State	PA PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
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Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature					Date		
Residence: City		State		Country		Citizenship	
Mailing Address							
City		State		ZIP		Country	

<b>DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION</b> (37 CFR 1.63)  <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <input type="checkbox"/> Declaration Submitted with Initial Filing           </div> <div style="text-align: center;"> <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)           </div> </div>	Attorney Docket Number 21125Y	10/520492 30 JAN 2006
	First Named Inventor Carolyn A. Busen, Doepner et al	
	COMPLETE IF KNOWN	
	Application Number	
	Filing Date	
Group Art Unit		
Examiner Name		

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

MITOTIC KINESIN BINDING SITE

*(Title of the Invention)*

the specification of which

☒ bears the Attorney Docket Number and Title of the Invention noted above

OR

☐ is attached hereto

OR

☐ was filed on (MM/DD/YYYY)  as United States Application Number or PCT International Application Number  and was amended on (MM/DD/YYYY)  (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Attorney Docket Number	Priority Claimed?
				YES NO
PCT/US03/21145	PCT	07/03/2003	21125Y	<input checked="" type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>
				<input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	Attorney Docket Number
60/394,313	07/08/2002	21125PV

# DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known to me to be material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Application Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

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As a named inventor, I hereby appoint, respectively and individually, as my attorney(s) or agent(s) with full power of substitution and revocation, the following registered practitioner(s) to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

☐ Practitioners Associated with the Customer Number **000210**  
OR  
☒ Registered practitioner(s) named below

Name	Registration Number	Name	Registration Number
Alysia A. Finnegan	48,878	Joanne M. Giesser	32,838
Vineet Kohli	37,003	John David Reilly	43,039
Joan E. Switzer	34,740		

Direct all correspondence to: ☒ Customer Number **000210**

Name	Vineet Kohli				
Address	Merck & Co., Inc. - Patent Department				
Address	P.O. Box 2000, RY60-30				
City	Rahway	State	NJ	ZIP	07065-0907
Country	USA	Telephone	(732)594-3889	Fax	(732)594-4720

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle [if any])			Family Name or Surname		
Carolyn A.			Buser-Doepner		
Inventor's Signature				Date	
Residence: City	Harleysville	State	PA	Country	US
Citizenship	US				
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4				
City	West Point	State	PA	ZIP	19486
Country	U.S.A.				

☒ Additional inventors are being named on the 3 supplemental Additional Inventors(s) sheet(s) PTO/SB/02A attached hereto.

## DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S)  
Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Paul J.				Coleman			
Inventor's Signature						Date	
Residence: City	Wallingford	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Christopher D.				Cox			
Inventor's Signature						Date	
Residence: City	Harleysville	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Mark E.				Fraleay			
Inventor's Signature						Date	
Residence: City	North Wales	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Robert M.				Garbaccio			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
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Given Name (first and middle [if any])				Family Name or Surname			
George D.				Hartman			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
David C.				Heimbrook			
Inventor's Signature	<i>David C Heimbrook</i>					Date	24 Jan 2005
Residence: City	Warren	State	NJ	Country	US	Citizenship	US
Mailing Address	7 Orchard Way						
City	Warren	State	NJ	ZIP	07059	Country	US
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Lawrence C.				Kuo			
Inventor's Signature						Date	
Residence: City	Gwynedd Valley	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Hans E.				Huber			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.

## DECLARATION AND POWER OF ATTORNEY

ADDITIONAL INVENTOR(S)  
Supplemental Sheet

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Vinod V.				Sardana			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Maricel				Torrent			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	US	Citizenship	ES
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Youwei				Yan			
Inventor's Signature						Date	
Residence: City	Lansdale	State	PA	Country	US	Citizenship	US
Mailing Address	Merck Research Laboratories, Sumneytown Pike, P.O. Box 4						
City	West Point	State	PA	ZIP	19486	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Mailing Address							
City		State		ZIP		Country	